

Journal of Combinatorial Theory, Series A

Editor-in-Chief

S. Ole Warnaar
Department of Mathematics
The University of Queensland
Brisbane, Australia

Advisory Board

Hélène Barcelo
Department of Mathematics
Arizona State University
Tempe, Arizona 85287-1804

Charles J. Colbourn
Department of Computer Science & Engineering
Arizona State University
PO Box 875406
Tempe, Arizona 85287

Dhruv Mubayi
Department of Mathematics, Statistics, and
Computer Science (m/c 249)
University of Illinois at Chicago
851 S. Morgan Street, Chicago, IL 60607-7045

Gilles Schaeffer
Laboratoire d'Informatique (LIX)
École Polytechnique
91128 Palaiseau Cedex, France

Volkmar Welker
Fachbereich Mathematik und Informatik
Philipps-Universität Marburg
35032 Marburg, Germany

Founding Editors: Frank Harary[†] and Gian-Carlo Rota[†]

Publication information: *Journal of Combinatorial Theory, Series A* (ISSN 0097-3165) is published monthly (except March, June, September, and December) by Elsevier (Radarweg 29, 1043 NX Amsterdam, The Netherlands). Further information on this journal is available from the Publisher, from the Regional Sales Office nearest you, or from this journal's website (<http://www.elsevier.com/locate/jcta>). Information on other Elsevier products is available through Elsevier's website (<http://www.elsevier.com>). Periodicals postage paid at Rahway, NJ 07065-9998, USA, and at additional mailing offices. **USA POSTMASTER:** Send change of address to *Journal of Combinatorial Theory, Series A*, Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146-3313, USA.

Orders, claims, and journal inquiries: please contact the Elsevier Customer Service Department nearest you:

St. Louis: Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (877) 8397126 [toll free within the USA]; (+1) (314) 4478878 [outside the USA]; fax: (+1) (314) 4478077; e-mail: JournalCustomerService-usa@elsevier.com

Oxford: Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax (+44) (1865) 843970; e-mail: JournalsCustomerServiceEMEA@elsevier.com

Tokyo: Elsevier, Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg., 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalsCustomerServiceJapan@elsevier.com

Singapore: Elsevier, Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalsCustomerServiceAPAC@elsevier.com

Author inquiries: For inquiries relating to the submission of articles (including electronic submission where available), please visit this journal's homepage at <http://www.elsevier.com/locate/jcta>. You can track accepted articles at <http://www.elsevier.com/trackarticle> and set up e-mail alerts to inform you of when an article's status has changed. Also accessible from here is information on copyright, frequently asked questions, and more. For detailed instructions on the preparation of electronic artwork, please visit <http://www.elsevier.com/artworkinstructions>. Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher.

Advertising information: Advertising orders and inquiries may be sent to Janine Castle, Elsevier Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) 1865 843 844; fax: (+44) 1865 853 973; e-mail: j.castle@elsevier.com. Customers in the USA and Canada may also contact Tino DeCarlo, Advertising Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: t.decarlo@elsevier.com.

Printed in the United States of America

☉ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)